FAVOFSKAYA, L.V.

137-58-5-9319

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 75 (USSR)

AUTHORS: Ponomarev, V.D., Stolyarova, Ye.I., Koz'min, Yu.A.,

Favorskaya, L.V., Shalavina, Ye.L.

TITLE: A Leaching Treatment of Dust From Furnaces of Lead Plants

(Shchelochnoy sposob pererabotki pyley svintsovykh zavodov)

PERIODICAL: Izv. AN KazSSR. Ser. gorn. dela, metallurgii, str-va i

stroymaterialov, 1956, Nr 4 (15), pp 3-17

ABSTRACT: The authors present a technology of a dust-processing system

intended to increase the extraction of Cd, Tl, and In from roasted dusts issuing from smelting furnaces in lead plants. The system possesses the following advantages: 1) the Tl is extracted in the early stage of dust processing, namely, during aqueous leaching; the extraction of metallic Tl constitutes 52-57%; the electrolytic Tl, obtained by means of a two-stage electrolysis process, is 99.998% pure; 2) large amounts of Pb, Zn, and As are extracted into solution in the process of alkaline leaching. Cd and In remain in the residue. Owing to the considerable reduction in the weight of the leaching residue (down to 1/6-1/11), the amount of

Cd and In contained in it is 6-11 times greater than it was in the Card 1/1 original dust. G.S.

1. Lead ores--Processing 2. Metals--Separation 3. Electrolysis

--Applications

Favorskaya LV

USSR/Chemical Technology. Chemical Products and Their Application. J-6

Mineral Salts. Oxides, Acids, Bases.

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Abs Jour: Referat Zh.-Kh., No 8, 1957, 27432

Author : L.V. Favorskaya, Ye.I. Stolyarova Inst : Academy of Sciences of Kazakh SSR

Title : Speed of Decomposition of Zinc Oxide Minerals by Caustic

Soda Solution

Orig Pub: Izv. AN KazSSR, Ser. gorn. dela, stroymaterialov i metallurgii,

1956, vyp. 6, 92-103.

Abstract: The speed and the completeness of the interaction reaction of the

minerals smithsonite $(ZnCO_3)$ (I) and calamine $(Zn_2SiO_4.H_2O)$ (II) with NaOH solution (III) was studied. The decomposition of I and II was studied with regard to the dependence on the concentration of III, temperature, the speed of the pulp agitation, the magnitude of the caustic modulus of the solution and the fineness of the mineral grains. It is shown that silica and soda produced

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USSR/Chemical Technology. Chemical Products and Their Application. J-6 Mineral Salts. Oxides, Acids, Bases.

Abs Jour: Referat Zh.-Kh., No 8, 1957, 27432

at the decomposition of I and II do not pass completely into the solution in consequence of their limited solubility in III and produce a film on the surface of the mineral, which sharply slows the reaction down being a basical diffusion resistance. The temperature and concentration of III influence the solubility and the conditions of formation of the film of reaction products.

Card : 2/2

-5-

PONOMAREV, V.D.; STOLYAROVA, Ye.I.; KOZ'MIN, Yu.A.; FAVORSKAYA, L.V.; SHALAVINA, Ye.L.

Alkali method of treating lead refinery flue dusts. Izv.AN Kazakh. SSR.Ser.gor.dela met., stroi. i stroimat. no.4:1-17 '57. (MIRA 11:4) (Flueash) (Leaching)

FAVOFSKAYA, L. V.

137-58-5-9323

Translation from: Referativnyy zhurnal, Metallurgiya 1958, Nr 5, p 76 (USSR)

THE PROPERTY OF THE PROPERTY O

AUTHORS: Favorskaya, L. V., Stolyarova, Ye. I.

TITLE: Conditions Required for the Formation of Arsenates of Trivalent Thallium (Usloviya obrazovaniya arsenatov trekhvalentnogo

talliya)

PERIODICAL: Izv. AN KazSSR. Ser. gorn. dela, metallurgii, str-va i

stroymaterialov, 1957, Nr 4 (15), pp 53-58 (Summary in Fazakh)

ABSTRACT: The conditions required for the formation of arsenates of Tl

were studied on synthetic sulfuric-acid solutions containing the sulfate of Tl³⁺ and As acid. An aqueous solution of ammonia was added, under stirring, to 50 cm³ of the solution being investigated, after the latter had been heated to 40°C. Upon reaching a definite pH value, a precipitate was observed in the solution. The precipitate was removed and the solution was tested for Tl. The process of precipitation of Tl in the presence of As was studied as a function of the acidity of the medium on a solution containing 0.46 g/t. of Tl 2.3 g/t. of As and 52.9 g/t. of Te. Maximum on the solution of Tl and Tl 2.3 g/t.

ing 0.46 g/ ℓ of Tl, 2.3 g/ ℓ of As, and 52.9 g/ ℓ of Fe. Maximum Tl concentration, in a solution containing As and having a

Card 1/2 pH of 1.2 amounts to 0.03 g/l. In order to determine the

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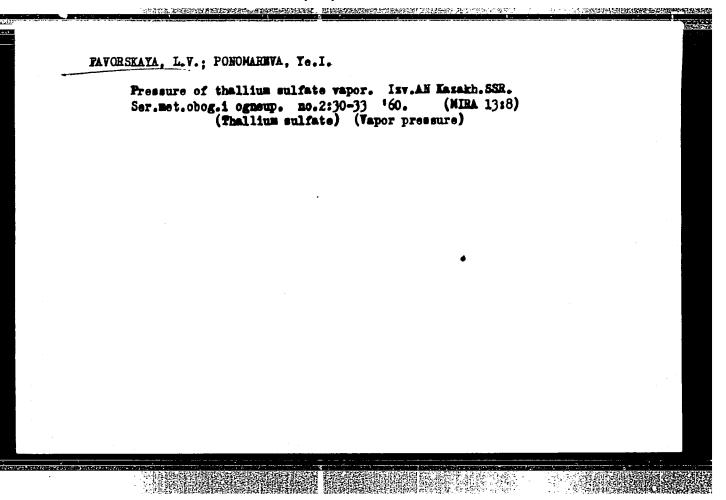
Conditions Required for (cont.)

approximate composition of precipitates obtained in various media, experiments were conducted on a solution which contained 0.4 g/l Tl, 3.78 g/l As, and 52.9 g/l $\rm H_2SO_4$. At a pH of 1.6-2.0, the composition of precipitates of Tl arsenates is nearly identical, and the molar Tl-As ratio in the precipitate amounts to 1:2. At a pH > 4 the precipitates undergo a change in color, while the Tl-As ratio increases and, at a pH of 8.67, becomes equal to 1:0.5.

G.S.

- 1. Thallium arsenates--Production 2. Thallium arsenates--Precipitation
- 3. Arsenic acids--Chemical reactions 4. Thallium--Chemical reactions

Card 2/2



S/137/62/000/007/009/072 A052/A101

AUTHORS:

Favorskaya, L. V., Nikiforova, G. A., Gur'yeva, A. I.

TITLE:

On the possibility of extracting scandium from wolframites and

beryls

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 7, 1962, 26, abstract 70178

("Tr. Kazakhsk. n.-i. in-ta mineral'n. syr'ya", no. 5, 1961, 269 -

274)

The possibility of extracting Sc from slags of Fe-W production was investigated. Up to 85% Sc can be extracted into solution from a slag ground by TEXT: 80% to 200 much when decomposing the slag with 18% HCl solution, the temperature $80 - 90^{\circ}$ C, the relation liquid phase : solid phase = 4 : 1. From the solution obtained Sc can be precipitated sufficiently fully by means of Na2SiF6. Silicofluoride precipitate, after being hydrated with 40% NaOH, contains 6 - 8% Sc203. To extract Sc from beryl the calcium sulfate method of processing was used. After melting beryl, sulfating and lixiviating the melt, a solution was obtained containing ~ 25 g/l BeO, 36 g/l Al₂O₃ and ~ 90 mg/l Sc₂O₃. The losses of Sc with

Card 1/2

S/137/62/000/007/009/072 A052/A101

On the possibility of ...

alumoammonia alum precipitated from the solution are $\sim 5\%$. After evaporating the solution, BeSO₄ crystallizes out and Sc and Fe remain in the solution. When precipitating Fe(0H)₃ with the excess of 40% NaOH a co-precipitation of Sc takes place. The obtained Fe precipitate contains 1.9% Sc₂O₃ when completely extracted from the solution. Sc can be separated from Fe by precipitating oxalates in the presence of a large amount of Ca.

L. Vorob'yeva

[Abstracter's note: Complete translation]

Card 2/2

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ACCESSION NR: AR4015659

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SOURCE: RZh. Khimiya, Abs. 21143

AUTHOR: Nikiforova, G. A.; Fevorskeya, L. V.; Ponomarev, V. D.

TITLE: Precipitation of scandium with sodium fluosilicate

CITED SOURCE: Tr. Kazakhsk. n.-i. in-ta mineralin. symriya, vymp. 7. 1962.

253-257

TOPIC TAGS: scandium, sodium fluosilicate, scandium fluoride, scandium precipi-

tation, sodium fluoscandate

ABSTRACT: A mixture of scandium fluoride and sodium hexafluoscandate forms during the sodium fluosilicate precipitation of scandium from chloride solutions. The scandium fluoride content in the precipitate increases as heating is prolonged and after 4 hours of heating the precipitate contains only scandium fluoride. Bibl. with Il references. Authors' summery.

DATE ACO: 09Dec63

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ACCESSION NR: AR4015658

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SOURCE: RZh. Khimiya, Abs. 21142

AUTHOR: Nikiforova, G. A.; Favorskaya, L. V.; Ponomarev, V. D.

TITLE: Coprecipitation of scandium with calcium from synthetic solutions under the influence of sodium fluosilicate

CITED SOURCE: Tr. Kazakhsk. n.-I. in-ta mineral'n. sy*r'ya, vy*p. 7, 1962,

258-265

Ų,

TOPIC TAGS: scandium, calcium, sodium fluosilicate, scandium-calcium coprecipitation, miscibility threshold, abnormal mixed crystal, dispersion factor, scandium fluosilicate, calcium fluosilicate

ABSTRACT: This study concerned the codeposition of small amounts of Sc and Ca during their precipitation from chloride solutions in the presence of sodium fluosilicate. It was established that a definite miscibility threshold is observed during the coprecipitation. The solid phase Ca:Sc ratio of 1:1.5·10-1 remains constant when the concentration of components in the solution is varied prior to precipitation. This definitely indicates the formation of abnormal mixed crystals of Ca and Sc fluorides. Diagrams of the coprecipitation of Sc and Ca Card 1/2

ACCESSION NR: AR4015658

at constant initial concentrations of one component and variable concentrations of the other are characteristic of solid solutions, the latter being represented in some cases by abnormal mixed crystals. The dispersion factor decreases as the concentration of one component (Ca) in the initial solution lessens, tending to zero values. This attests to the existence of a minimum miscibility threshold which is characteristic for the formation of abnormal mixed crystals. Bibl. with 10 references. Authors' summary.

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Card 2/2

S/137/63/000/001/004/019 A006/A101

AUTHORS:

Favorskaya, L. V., Nikiforova, G.A.

TITLE:

Side extraction of scandium from beryllium

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 1, 1963, 19, abstract 10123

("Tr. Kazakhsk. n.-i. in-ta mineral'n. syr'ya", 1961, no. 6,

239 - 243)

TEXT: The initial material was a ferrous product, obtained during the processing of beryllium and containing 0.04% Sc203. A 1 g batch of the product was dissolved in a least HCl amount with preheating to 90°C. The insoluble precipitate was filtrated-off, and CaCl₂ was added as a precipitating agent. Prior to the precipitation of oxalates the solutions were neutralized with ammonia. The oxalates were precipitated by solid oxalic acid at pH 2.5 - 3.0, 70°C, and stirring during 15 minutes. The oxalates were allowed to settle for 24 hours and were then filtrated. The washed precipitate was dried and roasted at 700°C for 1 hour. The oxides obtained were dissolved in HCl for refining from Ca and Mg, hydroxides were precipitated from the chloride solutions by ammonia, dried

Card 1/2

Side extraction of scandium from beryllium

S/137/63/000/001/004/019 A006/A101

and roasted at 700°C. The optimum amount of the precipitating agent is 2 g CaCl₂ per 1 g ferrous product. The extraction of Sc is then 86%. To refine the Sc product from Fe salts, it was dissolved in HCl, and oxalates were again precipitated from the solution. The product obtained after roasting the oxalates contained 98% Sc203. The extraction of Sc from the ferrous cake into the final product was 78.6%.

G. Svodtseva

[Abstracter's note: Complete translation]

Card 2/2

ROMANOVA, A.D.; FAVORSKAYA, L.V.; PONOMAREV, V.D.

AND PRESENTATIONS ARTHUR MELLEN MOTERS AND PROPERTY OF THE PRO

Use of infrared spectroscopy in studying the extraction mechanism of scandium with tributyl phosphates. Izv. AN Kazakh. SSR. Ser. tekh. i khim. nauk no.2:68-74 '63. (MIRA 17:2)

ROMANOVA, A.D.; FAVORSKAYA, L.V.; PONOMAREV, V.D.

Composition of the complexes of hydrochleric acid and scandium extracted with tributyl phosphate. Izv. AN Kazakh. SSR. Ser.tekh. i khim.nauk no.3:49-55 '64. (MIRA 17:2)

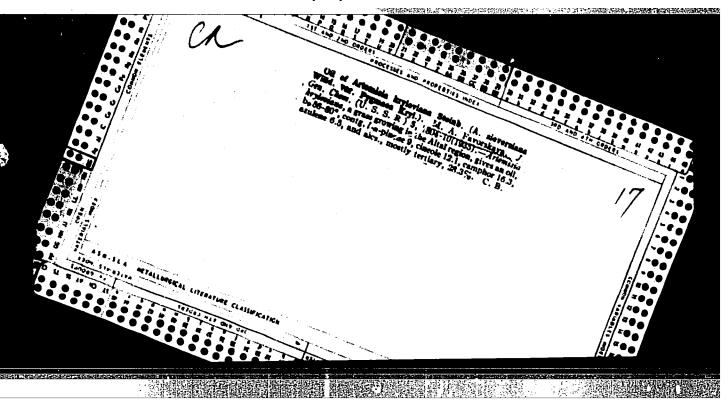
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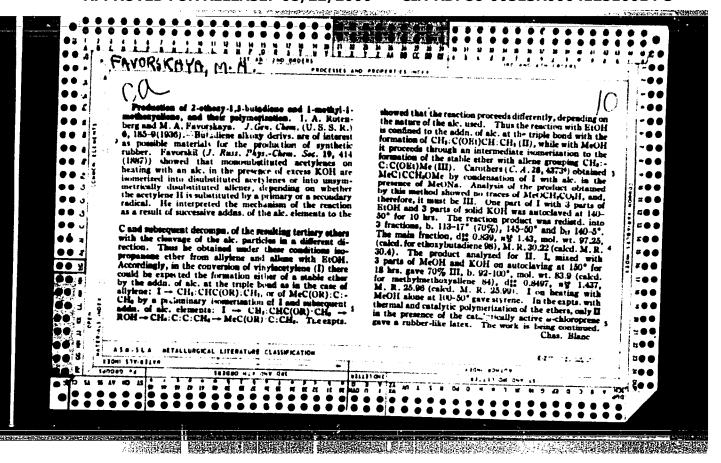
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NIKIFOROVA, G.A.; FAVORSKAYA, L.V.; FONOMAREV, V.D.

Coprecipitation of scandium and aluminum under the effect on their solutions of sodium silicofluoride. Trudy Inst. met. i ob .. AN Kazakh. SSR 9:85-89 164. (MIRA 17:9)

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FAVORSKAYA, M. A.

FA 29/49736

Jan/Feb 19

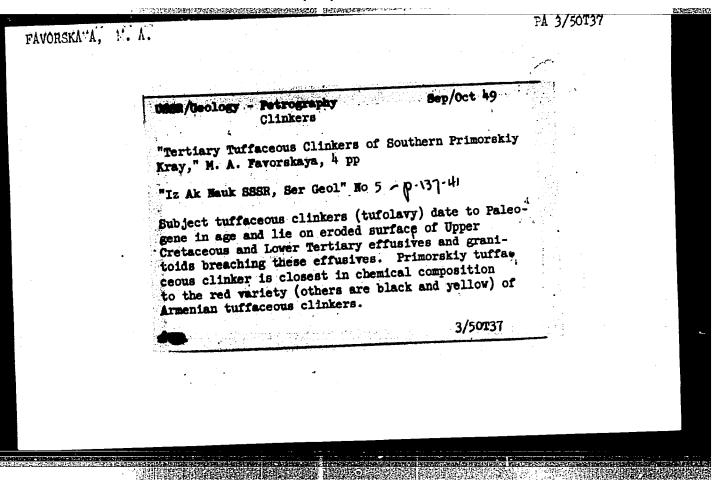
Volcanology
Tectonics

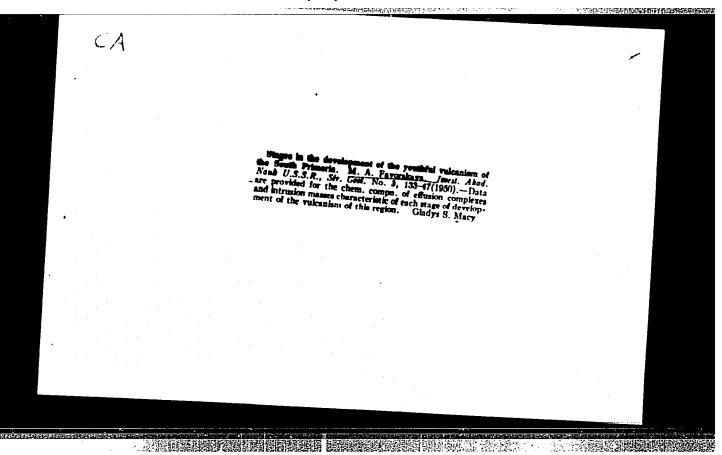
"The Geologic Situation of the Upper Mesozoic and Genozoic Magmatic Formations in the Southern Maritime Area," M. A. Favorekaya, 6 pp

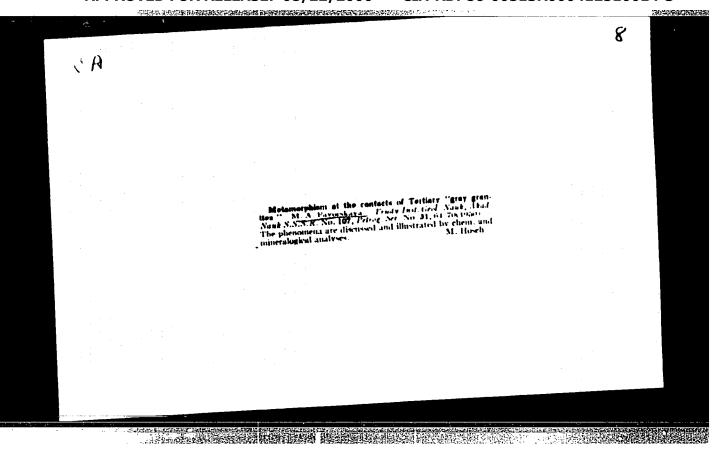
"Iz Ak Nauk SSER, Ser Geol" No 1

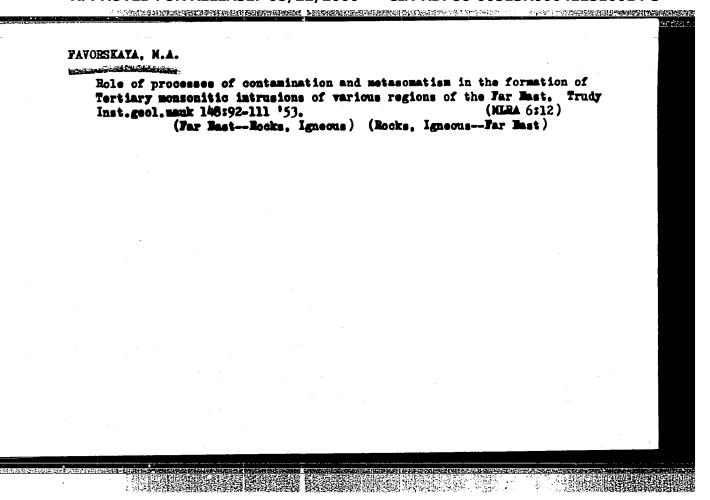
Studies recent development of volcanism in the southern maritime area, with particular attention to the extensive spread of multistage intrusive formations in this region.

29/49736







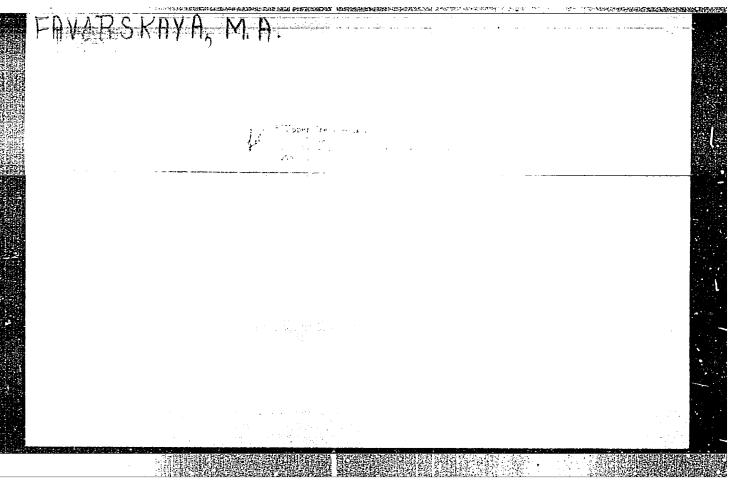


FAVORSKAYA, M.A.

Relation of tin mineralization to magnatism. Izv. AN SSSR. Ser. geol. 20 no.4:20-30 Jl-Ag '55. (MIRA 8:10)

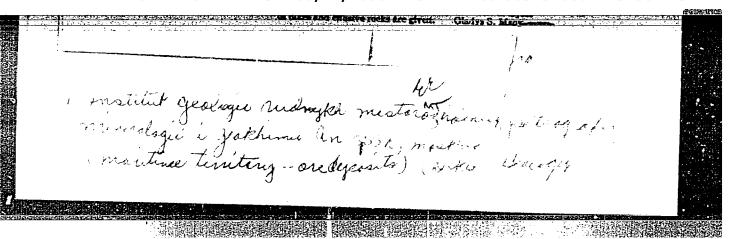
(Tin ores)

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412510014-3"



Some secondary changes in acidic effusions in the southern Maritime Territory. Isv.AH SSSH. Ser.geol. 21 no.7:72-78 Jl '56. 1. Institut geologii rudnykh mestoromhdeniy, petrografii, mineralogii i geokhimii Akademii nauk SSSR. Moskva. (Naritime Territory--Rocks, Igneous)





AUTHOR:

None given

5-3-12/37

TITLE:

Chronicle of the Petrographic Section (Khronika petrografi-

cheskoy sektsii)

PERIODICAL:

Byulleten' Moskovskogo Obshchestva Ispytateley Prirody, Otdel

Geologicheskiy, 1957, No 3, pp 157-158 (USSR)

ABSTRACT:

The following reports were delivered at ameeting of the Petrographic Section of the Moscow Society of Naturalists during the period from 7 February to 28 March 1957: T.V. Molchanova reviewed the book by Van-Bemmelen "Geology of Indonesia; S.P. Gavrilova reviewed a number of publications by Soviet and foreign scientists on contact metamorphism; M.A. Favorskaya on "Petrography of Eruptive Rocks in Polymetal Deposits of Mexico"; Ye.A. Kuznetsov on some foreign publications of 1956 about African carbonatites; Ye.M. Epshteyn on "Province of Ultrabasic Rocks in the Northern Part of the Siberian Plateau"; A.D. Rakcheyev on "Some Weak Points of Metamorphism Hypothesis", and L.A. Milovanov reviewed 14 articles published in Nos. 9 and 10 of the Collection of L'you Mineralogical Society for 1956.

AVAILABLE:

Library of Congress

Card 1/1

FAVORSKAYA, M.A.

Problem of the origin of dikes and their relation to the process of ore formation. Isv.AN SSSR.Ser.geol. 22 no.1:4-10 Ja '57.

l. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva.

(Dikes (Geology)) (Ore deposits)

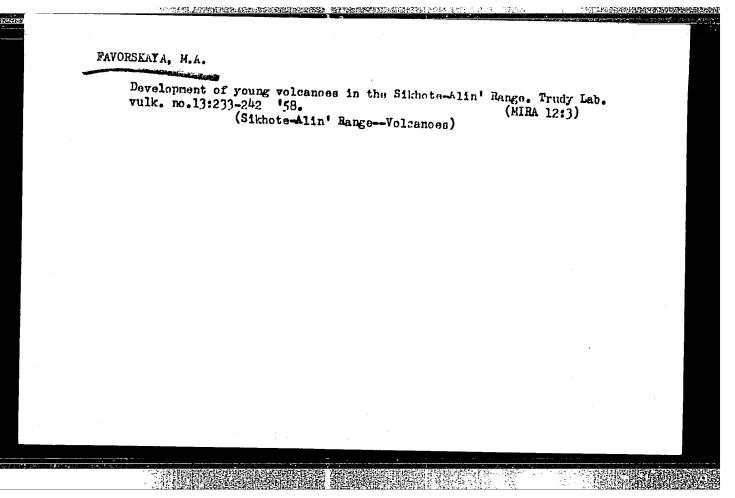
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FAVORSKAYA M.A.; TSINZERLING, Yo.V.

Metamorphism of quarts from an ore vein on contact with a porphyrite dike. Zap. Vses. min. ob-va 86 no.4:488-495 157. (MIRA 11:1)

l.Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii i Institut kristallografii AN SSSR, Moskva. (Rocks, Crystalline and metamorphic)

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TO PROPERTY AND A STATE OF THE PROPERTY OF THE

FAVORSKAYA, M.A.

Association of the rare metal and complex mineralization with intrusives and effusives in certain areas of the Pacific ore belt. Sov.geol. 2 no.12:71-87 D 159. (MIRA 13:5)

Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii.
 (Soviet Far East--Ore deposits)

FAVORSKAYA, M. A.

"New Data on the Relationship Eetween Magnatism and Mineralization in the Pacific Ocean Ore Belt"

report presented at the First All-Union Conference on the Geology and Metallurgy of the Pacific Ocean Ore Belt, Vladivostok, 2 October 1960

So: Geologiya Rudnykh Mestorozhdeniy, No. 1, 1961, pages 119-127

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AFANAS'YEV, G.D.; AFANAS'YEV, L.M.; BELIKOV, B.P.; KOPTEVDVORNIKOV, V.S.; MIKHAYLOV, N.A.; MONICH, V.K.; FAVORSKAYA,
M.A.; prinimali uchastiye: DISTANOVA, A.N.; YELISEYEVA, O.P.;
MARFUNIN, A.S.; YUNAKOVSKAYA, Yu.V.; USTIYEV, Ye.K., doktor
geolwmin. nauk, otv. red.; NEMANOVA, G.F., red. izd-va; BYKOVA. V.V., tekhn. red.

THE PROPERTY OF THE PROPERTY O

[Principles of the geological mapping of intrusive and extrusive formations as exemplified by petrographic studies in Kazakhstan. Transbaikalia, the Northern Caucasus, and Maritime Province]
Printsipy geologicheskogo kartirovaniia intruzivnykh i effuzivnykh formatsii na primere petrograficheskikh issledovanii Severnogo Kavkaza, Kazakhstana, Zabaikalia i Primoria. Moakva, Gos.nauchno-tekhn. izd-vo lit-ry po geol.i okhrane nedr, 1960.
341 p. (MIRA 14:5)

1. Akademiya nauk SSSR. Institut geologii rudnykh mestorozhdeniy, petrografii, minerelogii i geokhimii. 2. Sotrudnik Institute geologicheskikh nauk AN Kaz. SSR (for Monich). 3. Sotrudnik Vsesoyuznogo geologicheskogo instituta (for Mikhaylov) 4. Sotrudniki Moskovskogo gosudaratvennogo universiteta (for Yunkovskaya, Distanova)

(Rocks, Igneous)

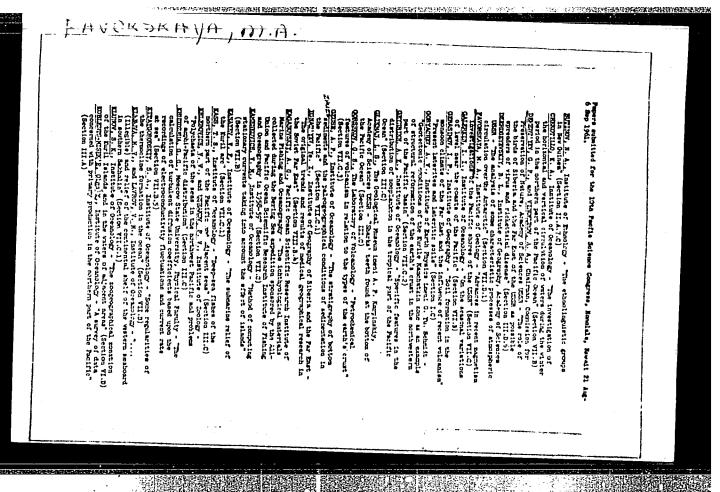
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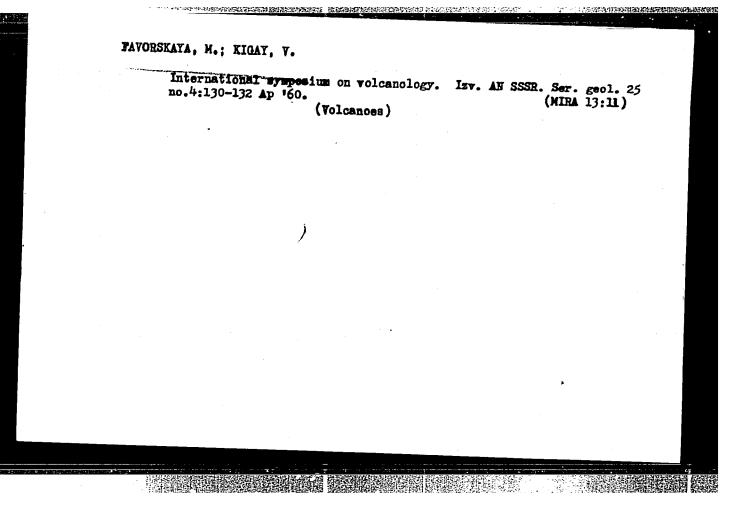
AFANAS'YEV, G.D., otv.red.; USTIYEV, Ye.K., doktor geol.-min.nauk, red.; GAPEYEVA, G.M., doktor geol.-min.nauk, red.; KOPTEV-DVORNIKOV, V.S., doktor geol.-min.nauk, red.; LEMEDEV, A.P., doktor geol.-min.nauk, red.; FAVORSKAYA, M.A., doktor geol.-min.nauk, red.; CHEPIKOVA, I.M., red.izd-va; DOROKHINA, I.N., tekhn.red.

[Petrographic provinces, igneous and metamorphic rocks] Petrograficheskie provintsii, izvershennye i metamorficheskie gornye perody. Moskva, Izd-vo Akad.nauk SSSR, 1960. 343 p. (Doklady sovetskikh geologov. Problema 13). (MIRA 13:9)

1. International Geological Congress. 21st, Copenhagen, 1960.

2. Chlen-korrespondent AN SSSR (for Afenes'yev).
(Petrography)





FAVORSKAYA, M.A.; RUB, M.G.; KIGAY, V.A.; IZOKH, E.P.; GAPEYEVA, G.M.; PREOERAZHENSKAYA, G.K.; USTIYEV, Ye.K., doktor geol.-mineral.nauk, otv.red.; ROZANOV, Yu.A., red.izd-va; UL'YANOVA, O.G., tekhn.red.

[Magmatic activity and metallogenic features of the Sikhote-Alin! Range and the Lake Khanka region] Magmatiam Sikhote-Alinia i Prikhan-kaiakogo raiona i ego metallogenicheskie osobennosti. Moskva, Izd-vo Akad. nauk SSSR, 1961. 327 p. (Akademiia nauk SSSR. Institut geologii rudhykh mestorozhdenii, petrografii, mineralogii i geokhimii. Trudy, (MIRA 15:3)

(Sikhote-Alin: Range-Rocks, Igneous) (Khanka Lake region-Rocks, Igenous)

BUR 'YANOVA, I.Z.; FAVORSKAYA, M.A.

Origin of pillow laws in the southern Sikhoue-lint Range. Izv.AN SSSR Ser.geol.26 no.12:3.12 N 161. (MIRA 14:12)

THE PROPERTY OF THE PROPERTY O

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR, Moskva. (Sikhote-Alin' Range—Lava)

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VOICHANSKAYA, I.K.; FAVORSKAYA, M.A.; FRIKH-KHAR, D.I.

Petrographic and geomorphologic studies of Cenozoic effusives carried out in a region of Kamchatka. Sov.geol. 6 no.2:91-109 F 163.

(MIRA 16:4)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii

(Kamchatka—Petrology) (Kamchatka—Geomorphology)

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PROKHOROV, Kirill Valentinovich; FAVORSKAYA, M.A., doktor geol.-min. nauk, otv. red.

[Tertiary granitoids of Kamchatka] Tretichnye granitoidy Kamchatki. Moskva, Izd-vo "Nauka," 1964. 132 p. (MIRA 17:5)

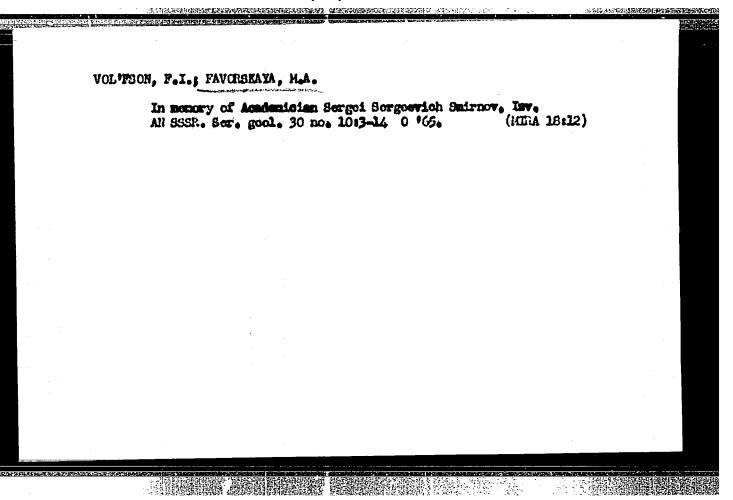
A STATE OF THE PROPERTY OF THE

BACKINA, Valentina Aleksandrovna; FAVCRSKAYA, M.A., doktor docksoniner, nauk, otv. red.

[Igneous activity of the Tetyukhe region (southern Maritime Territory) and the characteristics of the development of some volcano-plutonic formation) to matizm Tetiukhinskogo raiona (IUzhnoe Frimor'e) zakonomernosti razvitiia neketorykh vulkano-plutoni-cheskikh formatsii. Moskva, Nauka, 1965. 210 p. (MIRA 18:6)

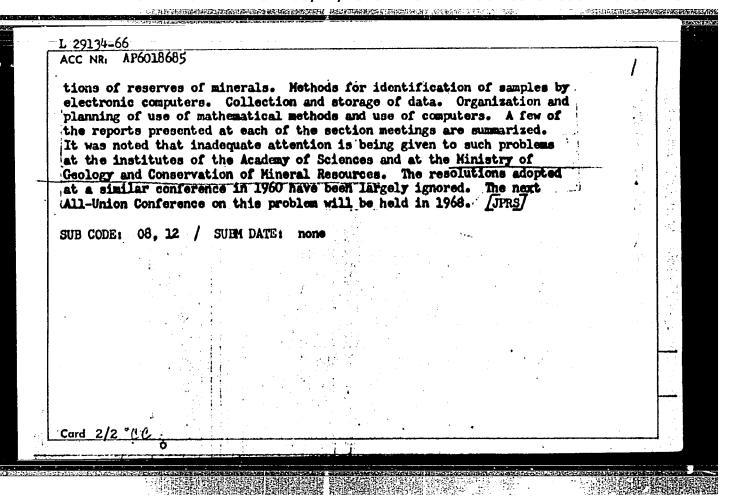
SHATALOV, Ye.T.; KOPTEV-DVORNIKOV, V.S.; RUB, M.G.; RODIONOV, D.A.; SHIPULIN, F.K.; FAVORSKAYA, M.A

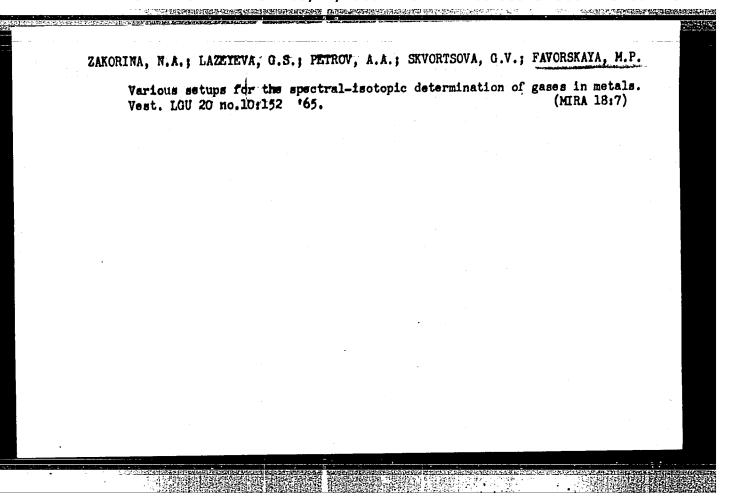
[Criteria of the relationship between mineralization and igneous activity as applied to the study of ore regions; basic principles of metallogenetic studies and the plotting of metallogenetic and forecasting maps of ore deposits] Kriterii sviazi orudeneniia s magmatizmom primenitelino k izucheniiu rudnykh raionov; osnovnye printsipy metallogenicheskikh issledovanii i sostavleniia metallogenicheskikh i prognoznykh kart rudnykh raionov. Moskva, Nedra, 1965. 292 p. (MIRA 18:4)



THE CONTROL OF THE PROPERTY OF

L 29174-66 EWT(1) JXT; var, var SOURCE CODE: UR/0011/66/000/004/0156/0160 ACC NR: AP6018685 AUTHOR: Baskina, V. A.; Favorskaya, M. A. 41 ORG: none 110 TITIE: Conference on use of mathematical methods and electronic computers in geology SOURCE: AN SSSR. Izvestiya. Seriya geologicheskaya, no. 4, 1966, 156-160 TOPIC TAGS: electronic computer, geologic conference, mathematic model, mineralogy, geochemistry, geomorphology, paleontology, stratigraphy ABSTRACT: A conference on the use of mathematical methods and electronic computers in geology was neld at Movosibirsk during the period 10-14 December 1965. The conference operated in nine sections: lithology, petrography and mineralogy, geochemistry, structural geology, industrial geophysics, geology and prospecting, hydrogeology and engineering geo-:logy, geomorphology, prospecting methods, formal geological theories, paleontology and stratigraphy. A total of 115 reports were presented; chairman of the conference was E. E. Fotiadi, Corresponding Hember of the Academy of Sciences. The principal problems discussed were: Use of mathematics in the problem of geological time. Mathematical approach to certain genetic problems, including the distribution of minerals. Geological mapping and methods for compiling geological maps. Computa-Card 1/2 UDC: 006.3 519.24+6.81.142:551.1/4





21(4)

SOV/112-59-2-3388

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 2, p 166 (USSR)

AUTHOR: Rozen, O., Sukhova, L., Kheyker, D., and Favorskaya, N.

TITLE: Using Radioactive Isotopes for Quality Control of Roll-Strip Materials (Primeneniye radioaktivnykh izotopov dlya kontrolya kachestva rulonnykh materialov)

PERIODICAL: Stroit. materialy, 1958, Nr 3, pp 34-35

ABSTRACT: VNIIAsbesttsement has used methods which permit continuously controlling average weight and thickness of a moving cardboard or pergamin strip and, consequently, its density or porosity. The weight has been determined by a contactless instrument designed by A. N. Slatinskiy (its scheme is presented) which depends on absorption of beta-rays by the material; Te²⁰⁴ is used as a source, an ionization chamber as a detector. The strip thickness is determined by an inductance primary element. The strip passes between two rolls, one of which is movable; the latter is displaced by thickness

Card 1/2

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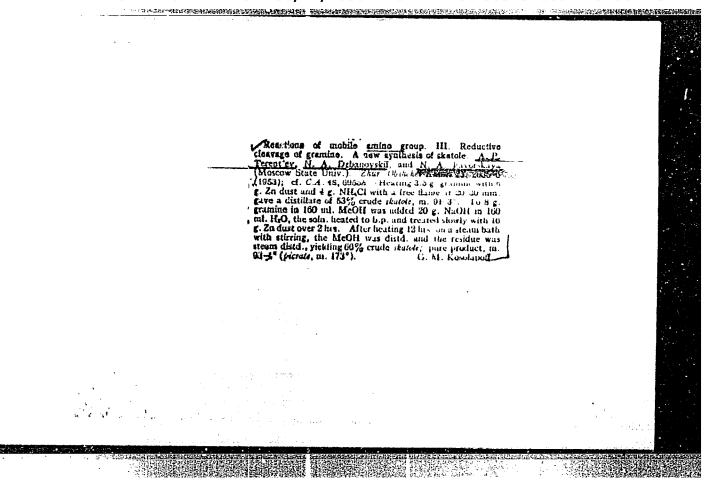
SOV/112-59-2-3388

Using Radioactive Isotopes for Quality Control of Roll-Strip Materials

variations and moves a primary-element core; this results in an output voltage across the primary element which linearly depends on the displacement value. The contactless weight-determining instrument is calibrated by cigarette-paper standards in the range of 220-970 g/m². A table giving the instrument checking data and a plot of porosity against water absorption in per cent are presented. This outfit for continuous material-porosity control is being adopted at the Leningrad "Kartontol'" and Odessa Roofing-Felt Factories. Two illustrations.

M.L.G.

Card 2/2



ISAGULYANTS, V.I.; TISHKOVA, V.H.; FAVORSKAYA, N.A.; OGANESYAN, R.O.

Substituted hindered phenols and their use as antioxidants for petroleum products. Trudy MNI no.23:42-61 '58. (MIRA 12:1) (Phenols) (Alkylation) (Petroleum products-Additives)

ISAGULIANTS, V.I. (Leningrad); TISHKOVA, V.N. (Leningrad); FAVORSKAYA, N.A. (Leningrad); OGANESIAN, R.O. (Leningrad)

是**你还是我的现在时间的的,我们是我们的对象的。我们是我们的的,你们是不是不是我们的,我们是不是不是不是不是不是不是不是不是不是不是不是不是不是不是不是不是不是**

Substituted shaded phenols and their use as antioxidant additives of mineral oil products. Tr. from the fuscian. Kem.tud.kosl.MTA 12 no.4:363-381 159. (EEAI 9:4)

1. Leningradi Tudomanyegyetem.
(Phenols) (Mineral oils)

30**650**

S/081/61/000/020/085/089 B110/B147

11.0170 (also 3019)
AUTHORS: Isagulyanta

Isagulyants, V. I., Tishkova, V. N., Favorskaya, N. A.

TITLE:

Synthesis of mineral-oil and motor-fuel additives on the

basis of substituted phenols

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 20, 1961, 410-411, abstract 20M160 ([Tr.] Groznensk. neft. in-t, ab. 23,

1960, 132-136)

TEXT: Schemes for the synthesis of multifunctional additives of the following types are given: metallic salts of sulfides and disulfides of alkyl phenols; metallic salts of diether dithiophosphoric acids, whose ether groups were obtained from disulfides of alkyl phenols; dialkyl amino salts of diether dithiophosphoric acids, whose ether groups were obtained from disulfides of alkyl phenols; Ca and Ba phenolates obtained by chloromethylation of the condensation products of alkyl phenols with CH₂O, by reaction of the chloromethylated products with metallic salts of diether dithiophosphoric acids, and by subsequent treatment with Ca(OH)₂

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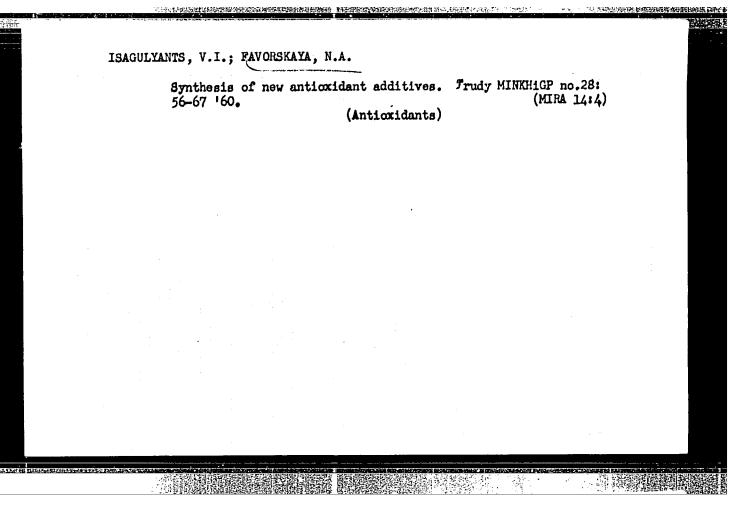
S/081/61/000/020/085/089 B110/B147

Synthesis of mineral-oil and...

or Ba(OH)₂. A new method was worked out for synthesizing the oxidation-inhibiting additive 2,6-di-tert-butyl-4-methyl phenol (I) by alkylation of dicresol (mixture of p-cresols and m-cresols) with the butane-butylene fraction in the presence of H₂SO₄. By treatment with aqueous alkali in the presence of a solvent, the alkylate is separated into a solution of I in the solvent and into an aqueous alkaline solution which contains other alkylation products of dicresol. The periods for which ethylated gasoline with an addition of I and some of its synthesized homologs remain stable are indicated. [Abstracter's note: Complete translation.]

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Card 2/2



2.3

36541 3/081/62/000/006/074/117 B149/B108

11.0172

Isagulyants, V. I., Favorskaya, N. A.

AUTHORS:

Synthesis of new antioxidant additives of the screened phenol

TITLE:

type

Referativnyy zhurnal. Khimiya, no. 6, 1962, 535, abstract 6M213 (Sb. "Prisadki k maslam i toplivam", M., Gostoptekhiz-PERIODICAL:

dat, 1961, 94 - 102)

TEXT: The additives 2,2'-methylene-bis-(6-tert-butyl-4-methylphenol) (I), disulfide-4,6-ditert-butyl-3-methylphenol (II), and 2,2'-methylene-bis-(4,6-ditert-butyl-3-methylphenol) (III) were synthesized and studied. The methods worked out for the preparation of (II) and (III) permit the use of the by-product in the preparation of ionol (4,6-di-tert-buty1-3methylphenol). As antioxidant additive, (I) added in the amount of 0.05% to ethylated benzine is more effective than ionol; (II) added in the amount of 0.005% to synthol (a motor fuel fraction 150 - 220°C, containing 8% of unsaturated hydrocarbons) has the same effectiveness as ionol. The effectiveness of (II) in the test with transformer oil is next to that of Card 1/2

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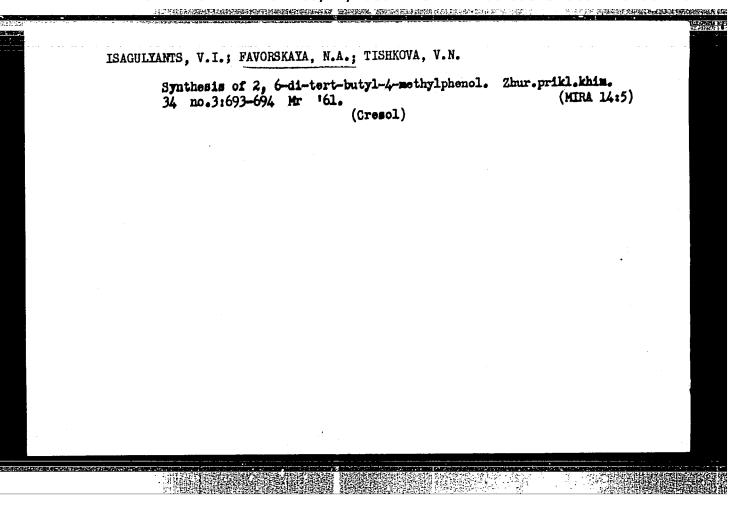
Synthesis of new ...

S/081/62/000/006/074/117 B149/B108

ionol. As an additive (0.005%) to synthol, (III) is also next to ionol. However, a test of (III) (3% added) with transformer oil gave negative results. [Abstracter's note: Complete translation.]

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Card 2/2



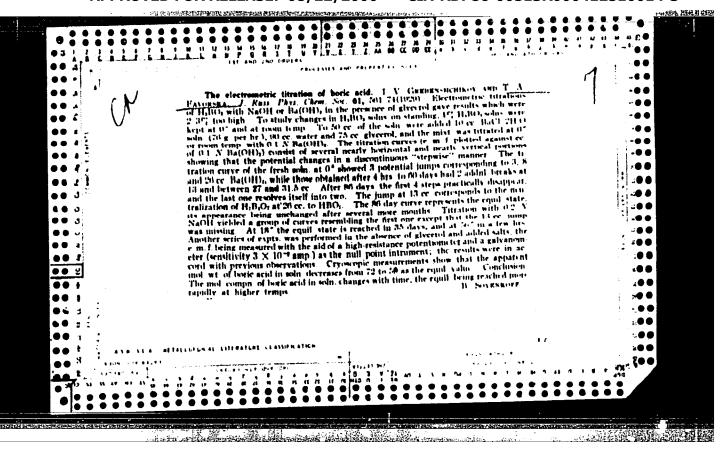
FAVORSKAYA, T.A.; TOLSTOPYATOV, G.M.; GAL'DING, M.R.

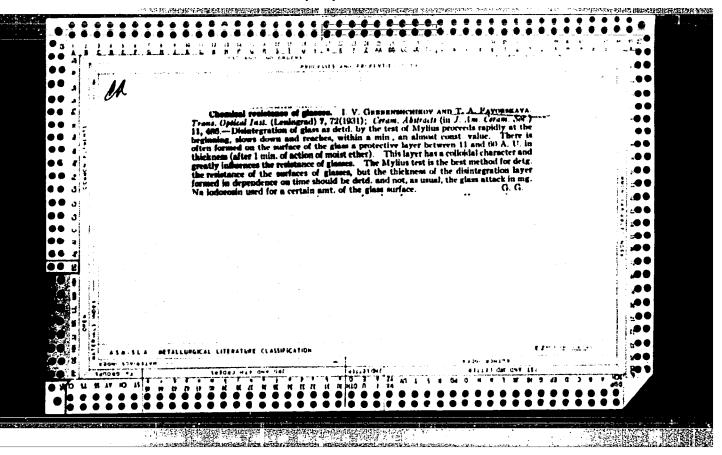
Synthesis and study of the transformations of acetylenic &-glycols. Part 9: Molecular rearrangements observed in the reactions of 3,4-dimethyl-1-hexyne-3,4-diol with hydrochloric acid. Zhur. ob. khim. 35 no.4:593-597 Ap '65.

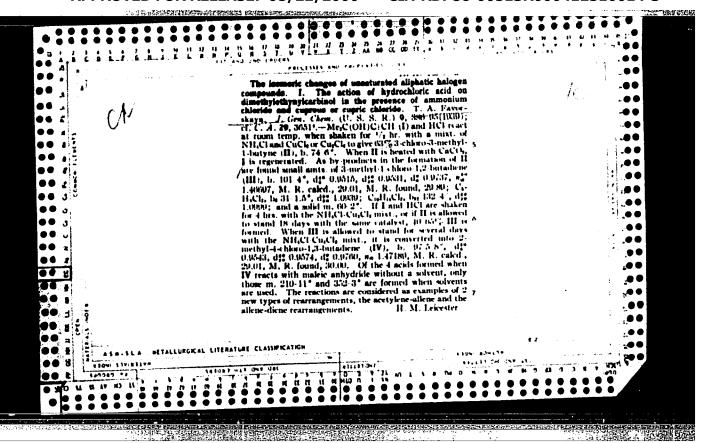
(MIRA 18:5)

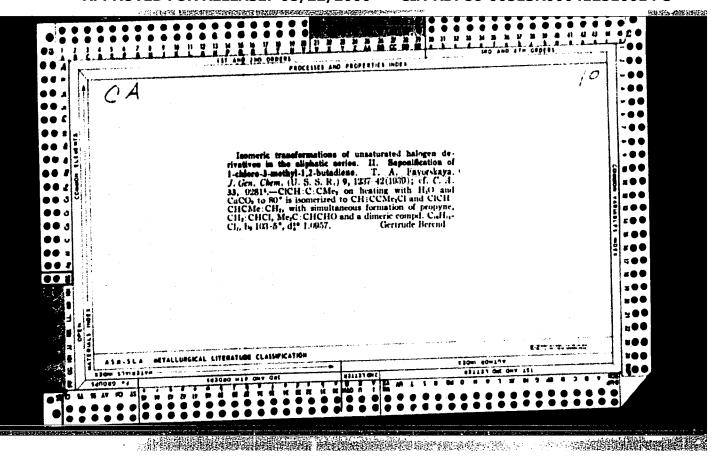
1. Leningradskiy gosudarstvennyy universitet.

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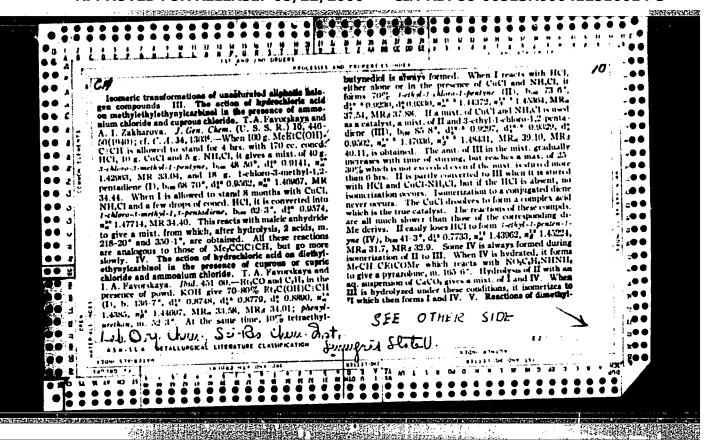


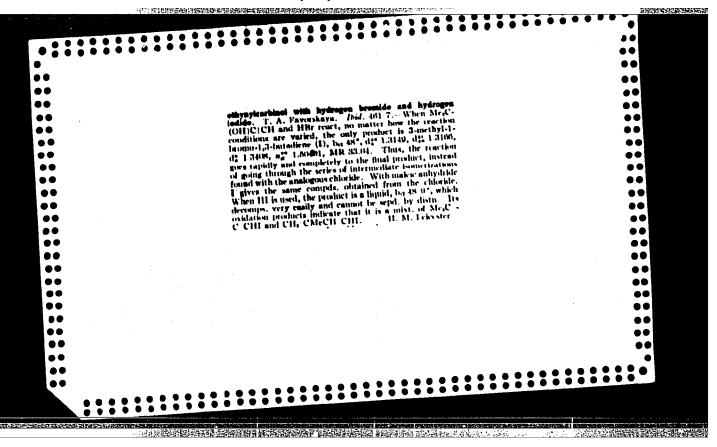


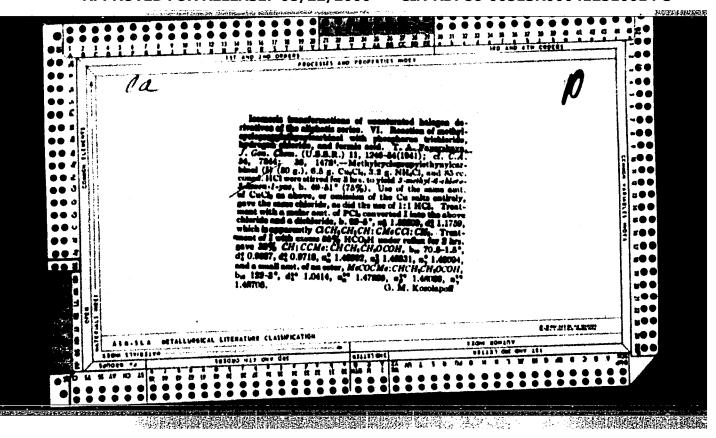
FAVORSKAYA, T. A.

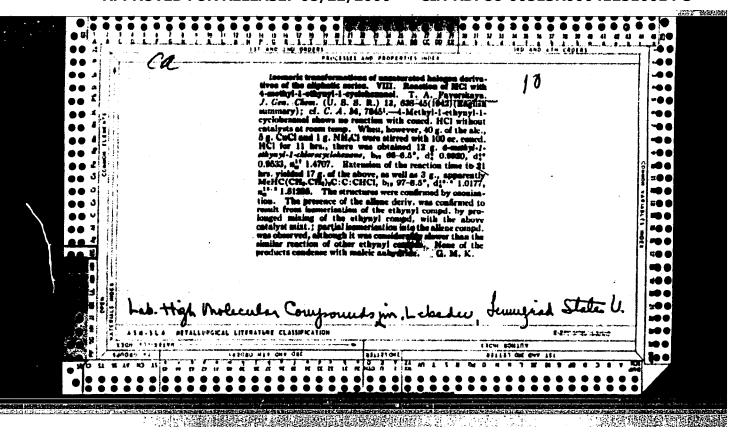
"Research in the Field of Molecular Transpositions in the Unsaturated Aliphatic Halogen Derivatives — The Action of Hydrochloric Acid on Dimethyl Acetylenyl Carbinol in the Presence of Ammonium Chloride and Cupric Chloride or Cuprous Chloride," Zhur. Obshch. Khim., 9, No. 5, 1939. Laboratory of Organic Chemistry, Scientific-Research Chemical Institute, Leningrad State University. Received 30 May 1938.

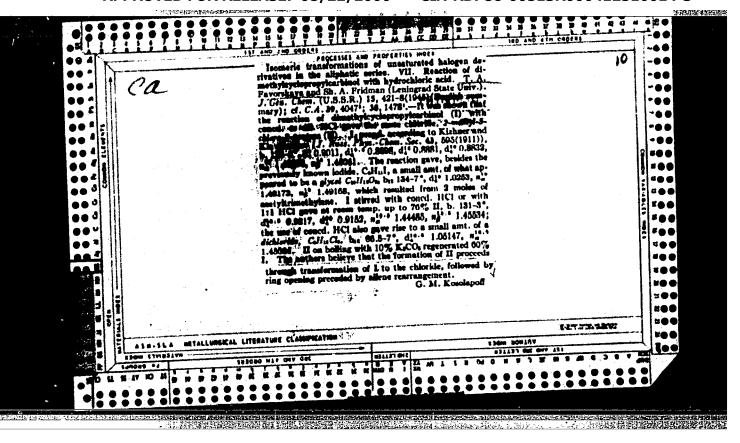
Report U-1517, 22 Oct 1951

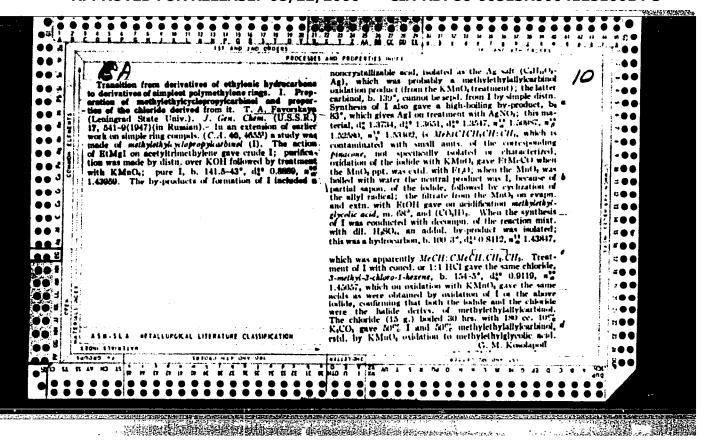












FAVORSKAYA, T. A.	THE ASSESSMENT SECTION OF THE PROPERTY OF STREET	PA 67/49 T38	
So, on methylphecylallylcarbinol yielded ace tophenone. 67/9738	ol XVIII, No 1 -2-methyl-1-pe 3 gave dimethy iversion (Contd) (Contd) bed HCl on methylarin which a E ₂ CO ₃ so	"Problems in Conversion From Ethylene Hydro- earbon Derivatives to the Simplest Polymethy- liane Cycle Derivatives: II, Interaction of Ethnethyl, Methyl-Phenyl- and Dimethyl-Allyl- Carbinols With Sulfurio Acid and Hydrochloric Acid," T. A. Favorskaya, Sh. A. Fridman, Lab imeni Acad A. Ye. Esvorskiy, Leningred State Ord of Lenin U, 92 pp	

FAVORSKAIA, T. A.

T. A. Favorskaia and Sh. A. Fridman, Concerning the question of the transition from derivatives of ethylene hydrocarbons to derivatives of simplest polymethyl cycles. II. On the interaction of di-methyl, methyl-phenyl-and di-phenyl-allyl-carbinols with hydrochloric and sulfuric acids. p. 2080.

TO THE PROPERTY OF THE PROPERT

It is shown that the hydrochloride of di-methyl-allyl-carbinol upon saponification with a 10 percent solution of KOH gives an originally unsaturated alcohol. A cyclic alcohol is not formed. The action of concentrated hydrochloric acid on methyl-phenyl-allyl-carbinol and on diphenyl-allyl-carbinol is studied.

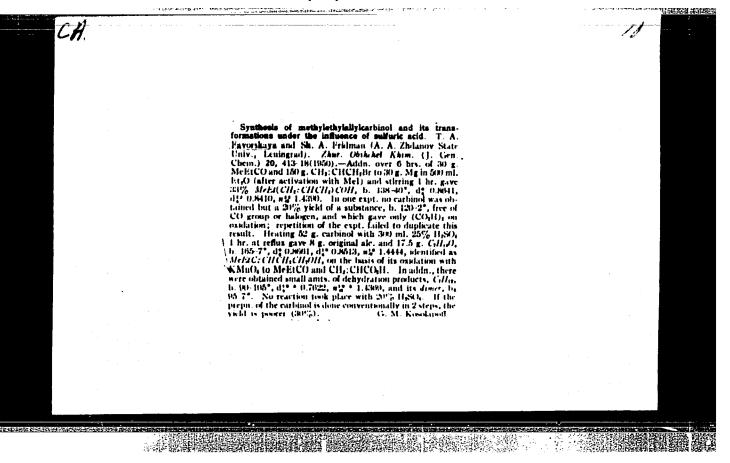
The action of dilute sulfuric acid on methyl-phenyl-allyl-carbinol and diphenyl-allyl-carbinol is studied also.

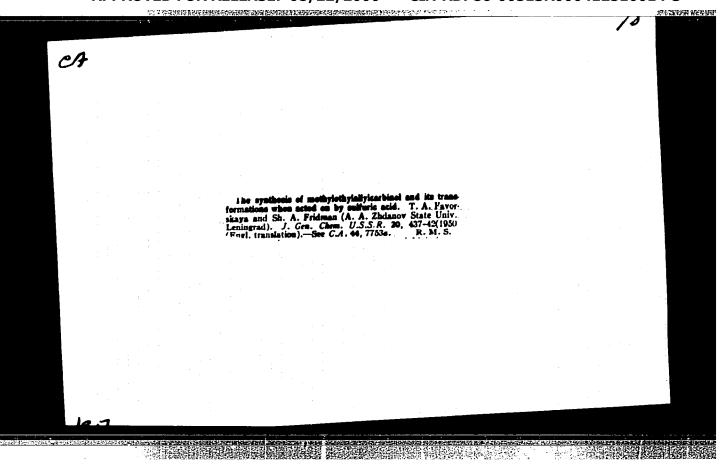
The A. E. Favorskii Laboroatory Leningrad State University Holder of Lenin Order March 15, 1947

SO: J. Gen. Chem. (USSR) 28, (80) No. 12, 1948

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T. A. 58/60763
Chemistry - Synthesis Chemistry - Glycols "Synthesis of Dimethylacetylenglycol and the Study of Its Insulfuric Acid," T. A. Favorska, Stud, Lab imeni Acad A. Ye. Favorska, Stud, Lab imeni Acad A. Ye. Favorska, State Ord of Lemin U, 5 3/4 pp "Zhur Obshch Khim" Vol XIX, No. During synthesis, keto alcohol benroylcarbinol is reduced to carbonol. Structure of the gly its decomposition by heating will be decomposition by heating will be interaction with 10 and 204 Bubmitted 20 Dec 47.
Jan 49 lenylphenylethylene- Interation With skaye, A. N. Shirshove, Feworskiy, Leningred pp No 1 No 1 ol of dimethyl- to dimethylbenzyl- glycol is shown in with an alkaline 58/49T43 20% H2SOh is studied.



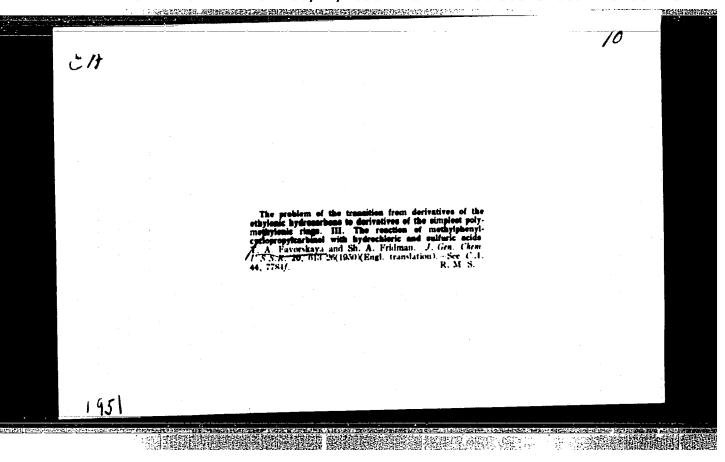


Transition from the derivatives of ethylenic hydrocarbons to the derivatives of the simplest polymethylene cycles. III. Reaction of methylphenyleyclopropylear-binel with hydrochloric and sulfuric acids. I. A. Langeskapa and Sh. A. Fridman i A. A. Zhilamov State Univ., J. eningrat). Zhar (Shikhel Khim. (J. Gen. Chem.) 20, 181-94 (1950); cf. C. I. 43, 3770.—The action of HSS), discrepanylenel phenylearised (J. leads to ring-size expansion to 1-methyl-1-phenyl-2-cyclobutanol (III) and dehydration to 2-phenyl-1, 4-pentalaris (III). It'l gives 2 reactions: ring opening to McCPh CHCH-CHCH-CH and ring expansion to a 4-C ring. AcCH CH, CH, (S2.5 g.) and US. Philit added to 15 g. activated Mg (by Mel.) over

ring expansion to a 4-C ring. AcCH CH, CH, (32.5 g) and 98 g. Philit added to 15 g. activated Mg (by Mel) over 4 hrs. in http gave 45% of bis 110-21% d.g. 14802, a.g. 1.5807, d.g. 14210. 1 (40 g.) holded 5 hrs. with 120 ml. 25% 14805, gave 47% (15 g.) of a product by 400-101%, 50% 14806 (20 min. boding) gave 40% of the same substance; this does not have a carbonyl group, is stable to Br in CaH₂ and to K MiOb, but reacts with Na; a purified sample, d.g. 1.0523, d.g. 0.0807, a.g. 1.5152, on oxidation gave BaOH and (COaH); while McMg gave the unchanged product; attempted oxidation with CiO, gave only some AcPh and no evolucition, while INOs, gave only a trace of (COAH); only heating with KMiOb, resulted in formation of a solid acid, Galdiab, m. 78%, which on standing in a desiceator becomes sirrupy without change of compn. This acid was not PhMe₂CCO₂H (mixed and Me manifelate); possibly it was a mixt. of Me₂ and Me manifelate); possibly it was a mixt. of Me₂ and Me manifelate); possibly it was a mixt. of Me₃ indicate that the reaction product of 1 with HsO₃ was H. The crude product from the traction slowly oxidizes with KMnO₃ indicating an admixt. of some H1, or possibly with KMnO₃ indicating an admixt. of some H1, or possibly

4-phenyl-1, 1-pentations (IV), since a considerable anit, of resinous matter is formed. If failed to react with 1.4 IRC1 in the cold in 15 mm, but coned. IRC1 gave in 3 his 60-8% of a most, of evels and unsaid, chlorides, but 134-6%, which could not be sept by disting in additional their was resolated a small anit, of Cullin, bu 94-7%, (2) 97-70, (2) 0-920, (2) 1-5125, giving Birtll and (CC), if with KMi(C), and identified as III, probably formed from Me PhCCR (II). The latter could be removed with cold KMi(C), from the max with the optic abbusile, but 125-7%, (2) 1-0801, (2) 1-083, (2) 1-5200, slentified as III, and by 1-phenyl-2-shore globulane, times II was unchanged after 150 hrs. with bot 20% KaCO, or 15% NaOH, while oxidation with bot KMi(O) gave MePhC(OH)-CH(OH) CO₂II, in, 85-6%, which was also obtained from the unsated. Cladity, tabove), as well as Birtll. The cyclic chloride builed with 10% also NaOH resoldy yielded IV, which tracted vigorously with makes anhythde, as well as some of its dimer, obtained only in crude state, but 17-18%.

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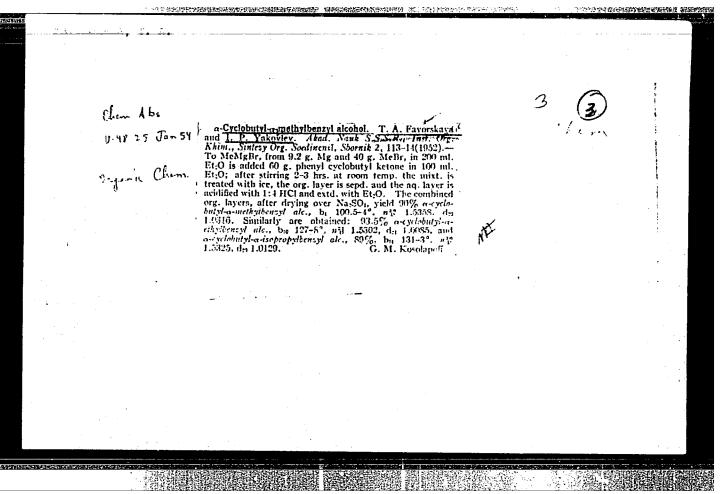
Transition from derivatives of ethylenic hydrocarbons to the derivatives of the simplest polymethylene rings. IV. Reaction of phenylmethylallylarchinel and mothylphonyl, and methylethyleyeloperopylearbinen with fermic acid. T.—A. Exturnkaya, N., V. Shcherbinshaya, and S. E. Chernobel'skaya (A. A. Zhdanov State Univ., Leningrad). Zhur. Obshchel Khim. (J. Gen. Chem.) 20. Leningrad). Zhur. Obshchel Khim. (J. Gen. Chem.) 20. Leningrad). Zhur. Obshchel Khim. (J. Gen. Chem.) 21. Leningrad). Zhur. Obshchel Khim. (J. Gen. Chem.) 25. 37. Maj. (J. Gen. Chem.) 26. 28. 37. Millin. of 78.5g. Philin. 10. 12. g. Mg in Et₄O gave, after the usual decompn., 53. 7% methylphenylcylepopykurbinol (I). In 119-21°. Refmang 30 g. Y. with 88 g. 48% HCOgH 1.5 hrs. gave 40% 1-phonyl-1-cylopopykurbinol (I). In 119-21°. Refmang 30 g. Y. with 88 g. 48% HCOgH 1.5 hrs. gave 40% 1-phonyl-1-cylopopykurbinol (I). In 119-21°. Refmang 30 g. Y. with 88 g. 48% HCOgH 1.5 hrs. gave 40% 1-phonyl-1-cylopopykurbinol (I). In 119-21°. Refmang 30 g. Y. with 80 g. 48% HCOgH 1.5 hrs. gave henceptimethylene (I). Gladed as the semicarbanone, m. 177-7.8°). HCOgH, and 1-phrayl-1-cyclopopykurbinone plycol, m. 53°, which with PhOAc) gave benzoyltrimethylene: ozondysis of the ether gave HCOgH and AcPh, hydrolysis was ineffective, but treatment with

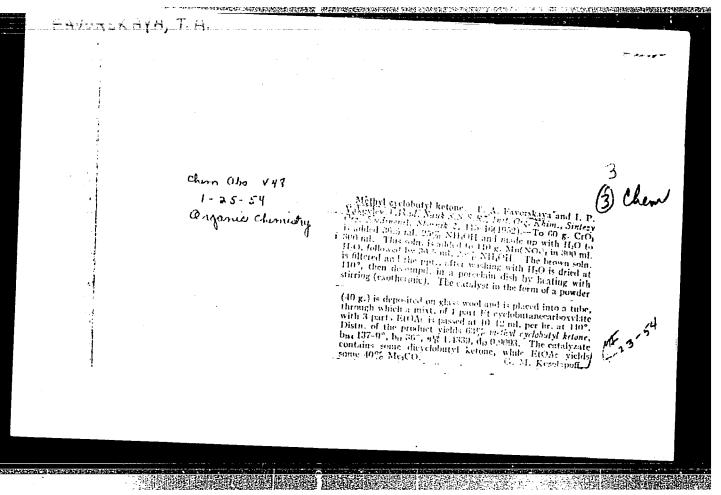
htMglir gave httCHOH and 2 phenyl 2 penter 3-ol, his 142 4°, dg 1.002, ng 1 5573, which on hydrogenation over 14 black gave 4-phenylamyl alc., his 132 3°, dg 0.982, dg 0.982, ng 1.5194, outdized by dehromate to 7-phenylauleric acid, his 170°, isolated as 3g salt. The use of 45% HCGH in the reaction with I gave 53% ether deriv, and a coverspondingly lower yield of the hydrocarbon. Addn. of 65 g. Acth and 61 g. CH, CHCH, it in R40 to 12 g. Mg in R(4) gave 51% MePA(CH; CH-CH)(CH), b 99-101°. This (30 g.) refluxed 1.5 hrs. with 90 g. 80% HCO/H gave an unresolvable mixt.; stirring at room temp. 3 his, with 48% HCO/H gave much unreacted ldc. and 31% of a mixt. of 2-phenyl-1,4-penladiene, and 4-phenyl-1,2-penladiene, his 88 30°, dg 0.9083, dg 0.9472, ng 1.5120, as shown by the results of KMnO/ oxidation; a small ant. of polymer also formed. The yield of hydrocarbons is raised to 54% if the reaction is run only 1.5 hrs. The same reaction performed with 189% HCO/H and we cooling (3 hrs.) gave 35% 2-phenyl-1,4-pentadiene and 25% formate of methylphenylallylarbonol, bis 112 14°, dg 1.0090, mch. 1.280, which (30 g.), refluxed 2 hrs. with 80% HCO/H, gave 14 g. CyllinO, b. 119-21°, identified as 4-methyl-4-thylletahydrofparan, on the basis of oxidation by KMnO, to 7-methyl-phydrographylarbanol, b. 200-1°, dg 1.0191, dg 1.0025, ng 1.4401, dg 1.0000 (converted also to the 4g solt of the free acid), which yields the corresponding amide, m. 91-5°, in the cold with concel. NH₂OH.

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10-37年以前的最初的**人们和自己的对话,对此是对话的对话是否可能是他们,所是对对我们是**在我们的问题的,我们还是这么是不是不是一个人,但是有一个人

RT-1403 (Tertiary acetylenic alcohols. II. Di-p-rolyl-ethynyl-carbinol)
Tretichnyc atsetilenovyc spirty. II Di-n-folilatsetilenilkarbinol.
S0: Zhurnal Obshchei Khimii, 20(6): 1068 - 1072, 1950

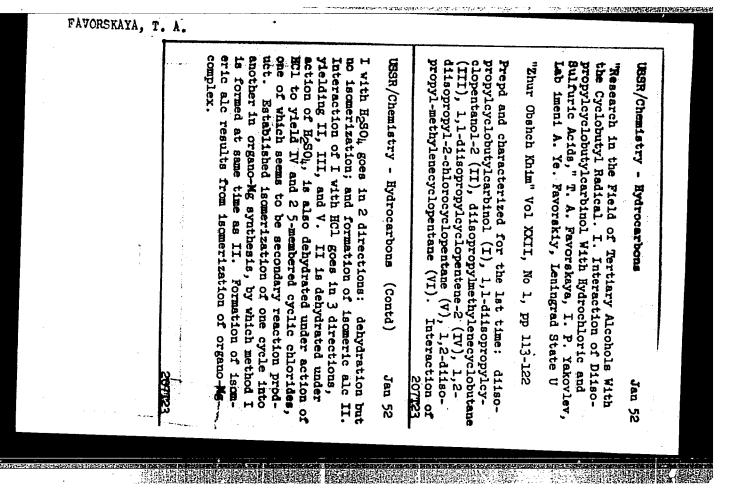




- 1. FAVORSKAYA, T. A.
- 2. USSR (600)
- 4. Compounds, Unsaturated
- 7. Structure of unsaturated compounds according to Butlerov and further development of views on the double bond, Vest. Len. un., 7, No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

APPROVED FOR RELEASE: 08/22/2000 CIA-RDP86-00513R000412510014-3"



FAVORSKAYA, T. A.; YAKOVLEV, I. P.

Alcohols

Research in the field of tertiary alcohols with cyclobutyl radical. II. Reaction of methylphenylcyclobutylcarbinol with hydrochloric and sulfuric acids. Zhur. ob. khim 22 No. 1, 1952. Laboratoriya im. Akad. A.YE. Favorskogo Leningradsk go

Monthly List of Russian Accessions, Library of Congress, May 1952, UNCLASSIFIED. Gosudarstvennogo Ordena Lenina Universiteta im. A.A. Zhdanova

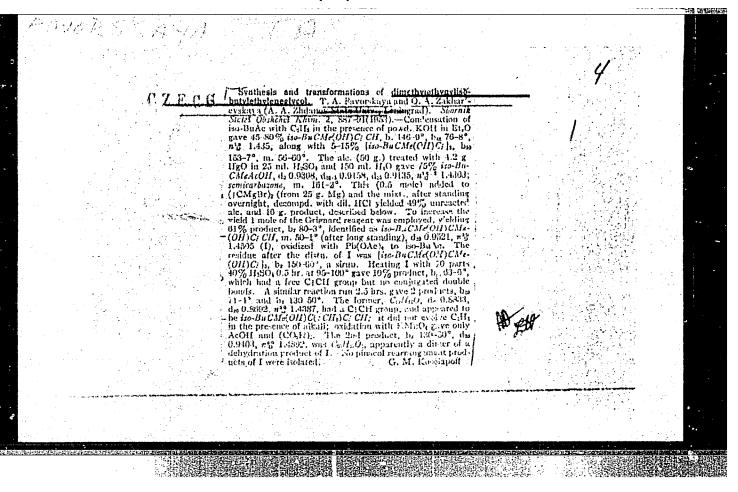
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FAVORSKAYA,	T. A.		Cites a FCI their	USSR	Prepd for nol and tion und methyle; tylethy tane).	"Zbur	"Research the Cyclol phenylcyc furic Aci fmeni Aca Lenin Sta	USSR/	
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				stry -	Prepd for the 1st time ethylphenylcyclobutylcarbi- nol and products of its dehydration and isomeriza- tion under action of H ₂ SO ₄ and HCl (ethylphenyl- methylenecyclobutane, f-methyl-2-phenyl-2-cyclobu- tylethylene, and l-chloro-1-ethyl-2-phenylcyclopen- tylethylene, and l-chloro-1-ethyl-2-phenylcyclopen- tene).	Obshch Khim"	"Research in the Field of Tertiary Alcoholithe Cyclobutyl Radical. III. Interaction phenylcyclobutylcarbinol With Hydrochloric furic Acids," T. A. Favorskaya, I. P. Yako imeni Acad A. Ye. Favorskiy, Leningrad Ord Lenin State U imeni A. A. Zhdanov	USSR/Chemistry - Hydrocarbons	
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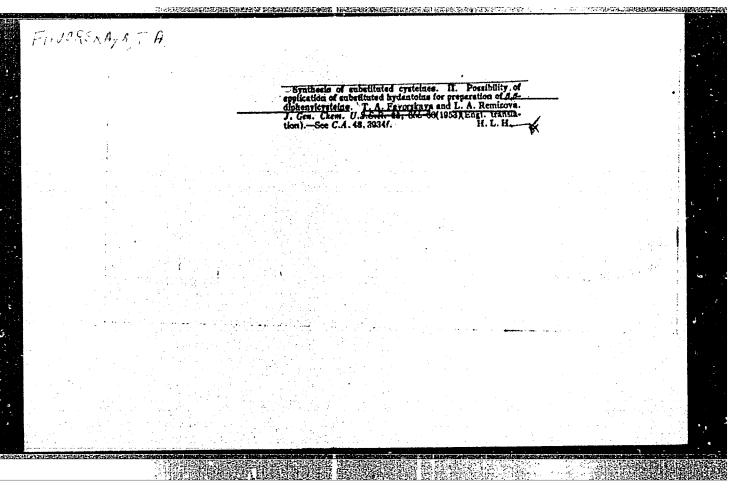
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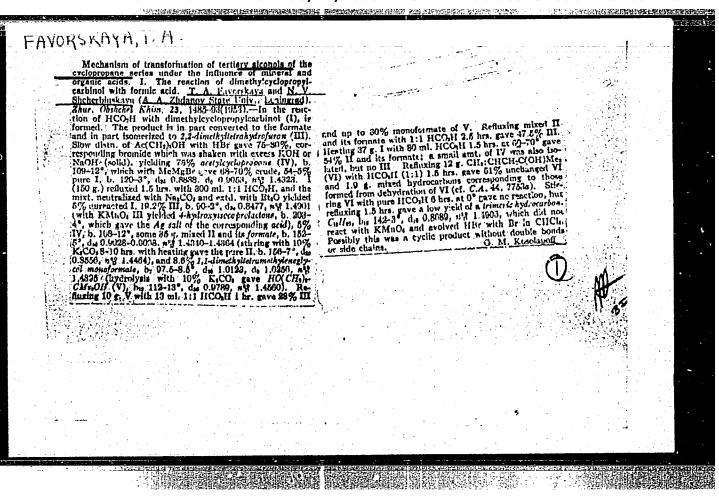
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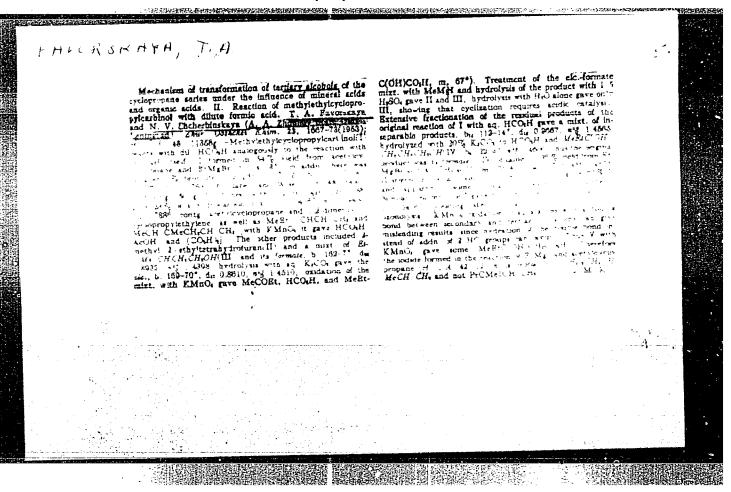
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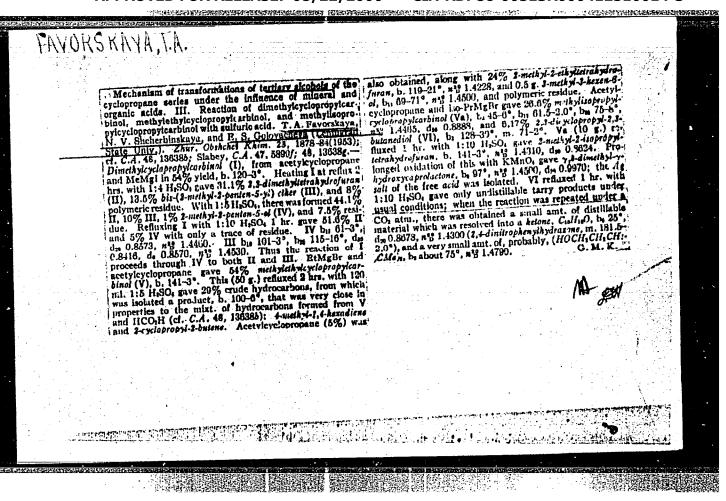


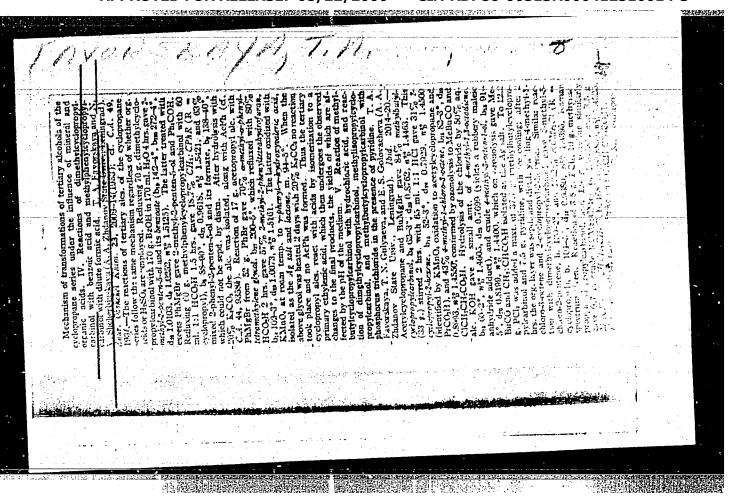


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